

Need	Description and Purpose	Unit and Quantity	Estimated Cost including Tax
Fluid Conservation Systems S-30 Leak Noise Survey Tool	Ground microphone and sensor to lower underground on a cable with a magnet to attach to a pipe. More sensitive than a ground microphone. Used for listening to pipeline appurtenances (fire hydrants, water meters, etc.)	1 equipment set	\$5,150
Subsurface Leak Detection LD12 Ground Microphone	For listening on the surface of the ground such as on pavement or concrete	1 equipment set	\$4,990
Subsurface Leak Detection LC 2500 with PVC pipe sensor	Used to pin point leaks on a pipeline	1 equipment set	\$25,300
Field Tools	Various water system tools needed for accessing water mains, meters, etc. (picks, shovels, water meter keys, curb stop keys, valve keys)	1 equipment set	\$2,500
Subsurface instrument ML1	Magnetic metal locator/detector to find metal valves in ditches covered with debris, etc.	1 instrument	\$1,500
Leak detection survey from a leak detection services company over a one month period which includes 10 days of training during the leak survey	Need minimum of 10 days for basic training for PCWA and SBC staff. Telephone support provided at no additional charge. Leak detection survey cost included. Cost reduced because equipment purchased from leak detection company.	10 days training \$1,650 per day	\$16,500
Additional training for SBC staff for one year after initial training	Annual refresher training per year for SBC's 2 person staff for 5 days. Includes company travel expenses	1 training	\$7,411
Leak Detection Training Company travel expenses	Company expenses (hotel, food) to travel to Auburn and hotel stay per work week. \$661 for a 5 day work week. Need 10 days for PCWA leak survey and training of PCWA and SBC staff.	2 weeks expenses at \$661 per week	\$1,322
SBC Program Administration	Project Manage coordination between detection company and PCWA and ongoing leak monitoring for 1 year.	75 hours at \$95 per hour	\$7,125
SBC Equipment Loan Administration	Manage equipment loan program and transfer of equipment between additional water agencies for one year.	15 hours per month for 11 months at \$95 per hour	\$15,675
Leak detection survey and training for additional Sierra Nevada foothill region water agencies	SBC leak detection survey and training: 40 miles El Dorado Irrigation District \$14,000 40 miles Nevada Irrigation District \$14,000 20 miles Georgetown Divide PUD \$7,000 20 miles Grizzly Flats Community Services District \$7,000	\$350 per mile for leak detection surveys and water agency staff training	\$42,000
Subtotal:			\$129,473
10% Contingency:			\$12,947
Total Program Cost for 2015-2016:			\$142,420